PTO/SB/53 (12-97)

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Index the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## REISSUE APPLICATION BY THE INVENTOR, OFFER TO SURRENDER PATENT

Docket Number (Optional)

MTS-880US2

| This is part of the application for a reissue patent based or   | n the original patent identified below.  |
|---|--|
| Name of Patentee(s) Thiow Keng Tan  |  |
|   | atent Issued October 20, 1998  |
| Title of invention  |  |
| VIDEO CODING METHOD AND DECODI  | NG METHOD AND DEVICES THEREOF  |
| I am the inventor of the original patent.   |  |
| I offer to surrender the original patent.   |  |
| 1. X Filed herein is a certificate under 37 CFR 3.73(   | b).  |
| 2. Ownership of the patent is in the inventor(s), are been made.  | d no assignment of the patent has  |
| One of boxes 1 or 2 above must be checked.  | ·  |
| The written consent of all assignees owning an undivided this application for reissue.  | interest in the original patent is included in   |
| Signature Janthion Cen  | Date December 12, 2000   |
| Typed or printed name   |  |
| Thiow Keng Tan  |  |
| The assignee owning an undivided interest in said original and the assignee consents to the accompanying application  |  |
| I hereby declare that all statements made herein of my owr statements made on information and belief are believed to were made with the knowledge that willful false statements fine or imprisonment, or both, under 18 U.S.C. 1001 and th jeopardize the validity of the application, any patent issued declaration is directed. | be true; and further that these statements<br>and the like so made are punishable by<br>at such willful false statements may |
| Name of assignee  |  |
| Matsushita Electric Industrial Co., Ltd.  |  |
| Signature of person signing for assignee  | Date   |
| Typed or printed name and title of person signing for assign  | December 12, 2000  |
| Dr. Osamu Yamazaki Director   |  |

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REISSUE APPLICATION BY THE INVENTOR, OFFER TO SURRENDER PATENT

PRADE!

Docket Number (Optional)

MTS-880US2

| This is part of the application for a reissue patent ba   | ased on the original patent identified below.   |
|---|---|
| Name of Patentee(s) Thiow Keng Tan  |   |
| Patent Number 5,825,421   | Date Patent Issued October 20, 1998   |
| Title of invention VIDEO CODING METHOD AND DE   | ECODING METHOD AND DEVICES THEREOF  |
| I am the inventor of the original patent.   |   |
| I offer to surrender the original patent.   | . •   |
| 1. X Filed herein is a certificate under 37 CFR   | R 3.73(b).  |
| 2. Ownership of the patent is in the inventor been made.  | r(s), and no assignment of the patent has   |
| One of boxes 1 or 2 above must be checked.  |   |
| The written consent of all assignees owning an und this application for reissue.  | ivided interest in the original patent is included in   |
| Signature   | Date 2000   |
| Typed or printed name   | December 12, 2000   |
| Thiow Keng Tan  |   |
| The assignee owning an undivided interest in said or  | ining I natant is Matsushita Electric Industrial Co. I td   |
| and the assignee consents to the accompanying app   |   |
| I hereby declare that all statements made herein of nestatements made on information and belief are belief were made with the knowledge that willful false state fine or imprisonment, or both, under 18 U.S.C. 1001 jeopardize the validity of the application, any patent it declaration is directed. | ved to be true; and further that these statements<br>ments and the like so made are punishable by<br>and that such willful false statements may |
| Name of assignee  |   |
| Matsushita Electric Industrial Co., Ltd.  |   |
| Signature of person signing for assignee  | Date  |
| Typed or printed name and title of namen signing for  | December 12, 2000   |
| Typed or printed name and title of person signing for Dr. Osamu Yamazaki Di   | rector  |
|   |   |

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# **DECLARATION**

## **REGISTERED PRACTITIONER** INFORMATION (Supplemental Sheet)

| Name                    | Registration<br>Number | Name  | Registration<br>Number |
|-------------------------|------------------------|-------|------------------------|
| Paul F. Prestia         | 23,031                 |       |                        |
| Andrew L. Ney           | 20,300                 | **    |                        |
| Kevin R. Casey          | 32,117                 |       |                        |
| Benjamin E. Leace       | 33,412                 |       |                        |
| James C. Simmons        | 24,842                 |       |                        |
| Lawrence E. Ashery      | 34,515                 |       |                        |
| Christopher R. Lewis    | 36,201                 |       |                        |
| Robert L. Andersen      | 25,771                 | ,     |                        |
| Daniel N. Calder        | 27,424                 |       |                        |
| Louis W. Beardell, Jr.  | 40,506                 |       |                        |
| Jacques L. Etkowicz     | 41,738                 |       | į                      |
| Jonathan H. Spadt       | 45,122                 |       |                        |
| Mark J. Marcelli        | 38,040                 |       |                        |
| Joshua L. Cohen         | 42,690                 |       |                        |
| Jack J. Jankovitz       | 34,608                 | ran a |                        |
| Kevin W. Goldstein      | 42,621                 | ."    |                        |
| Christopher I. Halliday | 26,277                 |       |                        |
| Paul D. Golian          | 33,602                 |       |                        |
| William P. Hauser       | 41,712                 |       |                        |
| Bruce M. Monroe         | 28,028                 |       | ·                      |
| Rex A. Donnelly, IV     | 42,866                 |       |                        |
| Costas Krikelis         |                        |       | ·                      |
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JAN 1 8 2001 B

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| REISSUE APPLICATION DECLARATION BY   | THE ASSIGNEE                | Docket Number (optional)     |
|--|-----------------------------|------------------------------|
| I hereby declare that:   |                             | MTS-880US2                   |
| My residence and post office address and citizenship are   | a stated holow payt to      | mu nama                      |
| I am authorized to act on behalf of the following assigned   |                             | •                            |
|  |                             | Jacob Ita                    |
| and the title of my position with said assignee is: Directo  |                             |                              |
| The entire title to the patent identified below is vested in Name of Patentee(s):                                    | said assignee.              |                              |
| Thiow Keng Tan   | •                           |                              |
| Patent Number  | Date of Patent Issued       |                              |
| 5,825,421  | Oct                         | ober 20, 1998                |
| Title of Invention VIDEO CODING METHOD AND DE  | CODING METHOD               | AND DEVICES THEREOF          |
| I believe said patentee(s) to be the original, first and sole  | e/joint inventor(s) of the  | subject matter which is      |
| described and claimed in said patent, for which a reissue  | patent is sought on th      | e invention entitled         |
| VIDEO CODING METHOD AND DECODING METH  | HOD AND DEVICES             | THEREOF                      |
| the specification of which   |                             |                              |
| is attached hereto.  |                             |                              |
| X was filed on October 18, 2000 as reissue appl  | ication number 09           | /691,858                     |
| and was amended on   |                             |                              |
| (If applicable) I have reviewed and understand the contents of the above amended by any amendment referred to above. | re identified specification | on, including the claims, as |
| I acknowledge the duty to disclose information which is n  | naterial to patentability   | as defined in 37 CFR 1.56.   |
| I verily believe the original patent to be wholly or partly in below. (Check all boxes that apply.)                  | noperative or invalid, fo   | r the reasons described      |
| by reason of a defective specification or drawing.   | ·                           | •                            |
| by reason of the patentee claiming more or less th   | ian he had the right to o   | claim in the patent.         |
| by reason of other errors.   |                             |                              |
| At least one error upon which reissue is based is describ  | ed as follows:              |                              |
|  |                             |                              |
|  |                             | •                            |
| [Attach additional shee  | ets, if needed.]            |                              |
| All errors corrected in this reissue application arose without applicant.  | <u>-</u>                    | tion on the part of the      |

[Page 1 of 2]

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| (REISSUE APF  | PPLICATION DECLARATION BY THE ASSIGNEE, page 2)   |   | umber                                | (Optional )                 |                |
|---|---|---|--------------------------------------|-----------------------------|----------------|
|   | f   |   | MTS-880US2                           |                             |                |
| I hereby appoint all business in the Name(s)  Allan Ratne | _   | osecute this apprewith.                                   | olication a                          | and tra                     | nsact          |
| Jack J. Janko   | ovitz 42,690  |   |                                      | ,                           |                |
|   |   |   |                                      |                             |                |
|   |   |   |                                      |                             |                |
| Correspondence  | Address: Direct all communications about the  | application to:   |                                      |                             |                |
| Customer N  | lumber  |   | ,                                    | Custo<br>er Ba              | omer<br>r Code |
|   | Type Customer Number Here   | •   | Label                                | Here                        |                |
| OR  | · ·   |   |                                      |                             |                |
| Firm or Individual Name                                   | Ratner & Prestia  |   |                                      |                             |                |
| Address   | P.O. Box 980  |   |                                      |                             |                |
| Address   |   | `i.   |                                      |                             |                |
| City  | Valley Forge  | State PA  |                                      | Zip                         | 19482          |
| Country   | 7.4   |   |                                      |                             |                |
| Telephone   | (610) 407-0700  | Fax (61   | 0) 407-0                             | 701                         |                |
| statements made<br>were made with<br>fine and imprisor    | that all statements made herein of my own known on information and belief are believed to be truthe knowledge that willful false statements and ment, or both, under 18 U.S.C. 1 001, and that didity of the application, any patent issuing there ected. | ie; and further t<br>the like so mad<br>such willful fals | hat these<br>le are pur<br>se statem | stater<br>nishab<br>nents n | le by<br>nav   |
|   | son signing (given name, family name)   |   |                                      |                             |                |
| Dr. Osamu Yama  | azaki, Director   | <u> </u>  |                                      | -                           |                |
| Signature   |   | Date<br>De  | cembe                                | r 12                        | 2, 2000        |
| Address of Assig  | gnee 1006 Gaza Kadoma, Kadoma-shi<br>Osaka, 571 Japan   | <b>1</b>  |                                      |                             |                |
| Patentee  |   | Citizensl   | hip                                  |                             |                |
|   | ow Keng Tan   | M   | alaysia                              |                             |                |
| Residence/Post  | Office Address Block 553, Choa Chu Kang No.   | rth 6, 11-08  |                                      |                             |                |
| Patentee  |   | Citizensi   | nip                                  |                             |                |
| Residence/Post  | Office Address  |   |                                      |                             |                |



PTO/SB/02C (3-97)

PTO/SB/02C (3-97)

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## **DECLARATION**

## **REGISTERED PRACTITIONER INFORMATION** (Supplemental Sheet)

| Name                    | Registration<br>Number | Name      | Registration<br>Number |
|-------------------------|------------------------|-----------|------------------------|
| Kevin R. Casey          | 32,117                 |           |                        |
| Benjamin E. Leace       | 33,412                 |           |                        |
| James C. Simmons        | 24,842                 |           |                        |
| Lawrence E. Ashery      | 34,515                 |           |                        |
| Christopher R. Lewis    | 36,201                 |           |                        |
| Robert L. Andersen      | 25,771                 |           |                        |
| Daniel N. Calder        | 27,424                 |           |                        |
| Louis W. Beardell, Jr.  | 40,506                 |           |                        |
| Jacques L. Etkowicz     | 41,738                 |           |                        |
| Jonathan H. Spadt       | 45,122                 |           |                        |
| Mark J. Marcelli        | 38,040                 |           |                        |
| Joshua L. Cohen         | 42,690                 | io a da , |                        |
| Jack J. Jankovitz       | 34,608                 | *         |                        |
| Kevin W. Goldstein      | 42,621                 | •         |                        |
| Christopher I. Halliday | 26,277                 |           | -                      |
| Paul D. Golian          | 33,602                 | or one    |                        |
| William P. Hauser       | 41,712                 |           |                        |
| Bruce M. Monroe         | 28,028                 |           |                        |
| Rex A. Donnelly, IV     | 42,866                 |           |                        |
| Costas Krikelis         | ·                      |           |                        |
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# REISSUE APPLICATION BY THE ASSIGNEE, OFFER TO SURRENDER PATENT

Docket Number (Optional)

MTS-880US2

| •  |   |
|--|---|
| This is a factor of the same o |   |
|  | patent based on the original patent identified below.   |
| Name of Patentee(s):   |   |
| Thiow Keng Tan Patent Number   | I Date Date the   |
| 5,825,421  | Date Patent Issued  |
| Title of Invention   | October 20, 1998  |
| VIDEO CODING METH<br>THEREOF   | OD AND DECODING METHOD AND DEVICES  |
| Matsushita Electric Industrial Co. Ltd. ii   | s the assignee of the entire interest in the original patent.   |
| I offer to surrender the original patent.  | a the acceptance of the child microst in the original paterit.  |
|  |   |
| $\overline{X}$ A certificate under 37 CFR 3.73(b) is   | s attached.   |
|  |   |
|  |   |
| I am authorized to act on behalf of the as   | signee  |
|  | 5.5   |
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| statements made on information and belief a<br>were made with the knowledge that willful fa<br>fine or imprisonment, or both, under 18 U.S.  | erein of my own knowledge are true and that all are believed to be true; and further that these statements alse statements and the like so made are punishable by C. 1001 and that such willful false statements may y patent issued thereon, or any patent to which this |
| Name of assignee   |   |
| Matsushita Electric Industrial Co., Ltd.   |   |
| Signature of person signing for assignee   | Date  |
| Bu San   | December 12, 2000   |
| yped or printed name and title of person sig   | ning for assignee   |
| Dr. Osamu Yamazaki   | Director  |
|  |   |
|  | •   |
|  | •   |
|  |   |
|  |   |

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Practitioner's Docket No. MTS-880US2

**PATENT** 

#### ASSENT BY ASSIGNEE FOR FILING OF REISSUE APPLICATION

This is part of the application for a reissue patent filed herewith based on the original patent identified as follows:

Name of Patentee: Matsushita Electric Industrial Co., Ltd.

Patent Number: 5,825,421

Date Patent Issued: October 20, 1998

Title of Invention: VIDEO CODING METHOD AND DECODING METHOD

AND DEVICES THEREOF

I am an assignee owning an undivided interest to the above original patent.

I assent to the accompanying application for reissue.

Attached is a "Certificate under 37 C.F.R. section 3.73(b)"

Matsushita Electric Industrial Co., Ltd.

Signature of person signing for assignee

Dr. Osamu Yamazaki

Director

December 12,

MTS-880US2 PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

: Art Unit:

: Examiner:

Applicant: T. Tan

Serial No.: To Be Assigned

Filed:

Herewith

FOR:

VIDEO CODING METHOD AND

**DECODING METHOD AND DEVICES** 

**THEREOF** 

## CERTIFICATE UNDER 37 CFR 3.73 (b)

Assistant Commissioner for Patents Washington, D.C. 20231

## SIR:

Matsushita Electric Industrial Co., Ltd., a Japanese Corporation certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventor of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel 8607, Frame 0024, for which a copy thereof is attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by

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fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date : December 12, 2000

Name : Dr. Osamu Yamazaki

Title : Director

Signature :







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| As a below named inventor, I hereby declare that:  My residence, post office address and citizenship are stated below next to my name.  I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number   |
|---|
| As a below named inventor, I hereby declare that:  My residence, post office address and citizenship are stated below next to my name.  I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed  |
| My residence, post office address and citizenship are stated below next to my name.  I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed   |
| reissue patent is sought on the invention entitled VIDEO CODING METHOD AND DECODING METHOD AND DEVICES THEREOF  the specification of which  |
|   |
| is attached hereto.   |
| X was filed on October 18, 2000as reissue application number 09 / 691,858 and was amended on  |
| (Ifapplicable)  |
| I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.  I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.  I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.) |
| At least one error upon which reissue is based is described as follows:   |
|   |

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.5 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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uired to respond to a collection of information unless it displays a valid OMB control number. Docket Number (Optional) (REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2) MTS-880US2 All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. Name(s) Registration Number 19,717 Allan Ratner 42,690 Jack J. Jankovitz Correspondence Address: Direct all communications about the application to: Place Customer Number Bar **Customer Number** Code Label here OR Type Customer Number here Firm or x Individual Name Ratner & Prestia Address P.O. Box 980 Address City... ZIP 19482 Valley Forge State Country Telephone (610) 407-0700 (610) 407-0701 Fax I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment. or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed. Full name of sole or first inventor (given name, family name) Thiow Keng Tan Inventor's signature Residence Singapore December 12, Post Office Address Block 553, Choa Chu Kang North 6, #11-08 Citizenship Malaysia Full name of second joint inventor (given name, family name) Inventor's signature Date Residence Citizenship Post Office Address Full name of third joint inventor (given name, family name) Inventor's signature Date Residence Citizenship Post Office Address

Additional joint inventors are named on separately numbered sheets attached hereto.